

# João Cascalheira

RESEARCHER

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## Summary

I am an archaeologist interested in prehistoric hunter-gatherer adaptations, specifically in how these are related to processes of climate and environmental change. I focus on the study of lithic technological organization and its correlation with various aspects of ecological dynamics and human behavior. I currently direct fieldwork in several sites within the context of my ERC Consolidator Grant - FINISTERRA: Population trajectories and cultural dynamics of the late Neanderthals in Far Western Eurasia. I am also a collaborator in different projects on the Middle and Later Stone Age in Mozambique and Sudan. My publication record counts with 5 books/edited volumes, 40 publications in peer-review journals, and 48 other publications as first author or in collaboration. I also have 165 public presentations in international professional conferences. Currently, I am the Director of ICArEB, a research center for archaeology and the evolution of human behaviour at the University of Algarve.

## Education

### Ph.D. in Archaeology

THESIS: THE MEDITERRANEAN INFLUENCE ON THE SOCIAL NETWORKS OF THE IBERIAN SOLUTREAN

University of Algarve, Portugal

2013

### MA in Archaeology

FINAL CLASSIFICATION: 19 OUT OF 20. THESIS: SOLUTREAN LITHIC TECHNOLOGY FROM THE VALE BOI ROCKSHELTER

University of Algarve, Portugal

2009

### Licenciatura in Cultural Heritage

FINAL CLASSIFICATION: 16 OUT OF 20

University of Algarve, Portugal

2007

## Employment History

### Assistant Researcher

POSITION FUNDED BY FUNDAÇÃO PARA A CIÊNCIA E A TECNOLOGIA

University of Algarve, Portugal

2019-Present

### Post-Doctoral Researcher

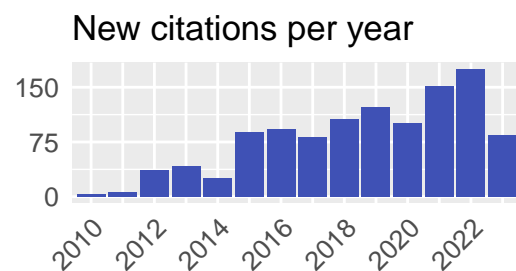
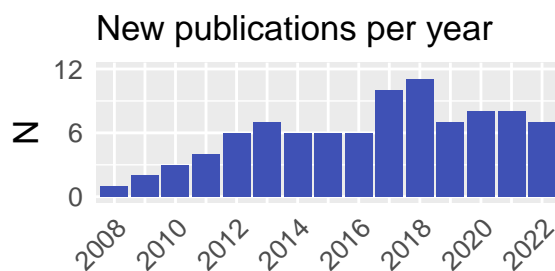
POSITION FUNDED BY FUNDAÇÃO PARA A CIÊNCIA E A TECNOLOGIA

University of Algarve, Portugal

2014-2019

## Publications

Citation metrics – August 2023: **1131** citations | Google Scholar H-index: **18** | Web of Science H-index: **14**



## BOOKS AND EDITED VOLUMES

- Cascalheira, J., & Picin, A. (Eds.). (2020). *Short-Term Occupations in Paleolithic Archaeology: Definition and Interpretation*. Springer International Publishing. <https://doi.org/10.1007/978-3-030-27403-0>
- Schmidt, I., Cascalheira, J., Bicho, N., & Weniger, G.-C. (Eds.). (2019). *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors*. Cambridge Scholars Publishing.
- Cascalheira, J., & Bicho, N. (2018). *The impact of drastic environmental changes in prehistoric hunter-gatherer adaptations* (Vol. 33). Special Issue in Journal of Quaternary Science.

4. Cascalheira, J., & Gonçalves, C. (Eds.). (2012). *Proceedings from Conference of Young Researchers in Archaeology (JIA 2011)* (Vol. 1–2). Universidade do Algarve.
5. Cascalheira, J. (2010). *Tecnologia lítica do abrigo Solutrense de Vale Boi*. UNIARQ.

## ARTICLES IN PEER-REVIEWED JOURNALS

1. Barbieri, A., Regala, F. T., Cascalheira, J., & Bicho, N. (2022). The sediment at the end of the tunnel: Geophysical research to locate the Pleistocene entrance of Gruta da Companheira (Algarve, Southern Portugal). *Archaeological Prospection*. <https://doi.org/10.1002/arp.1881>
2. Carvalho, M., Jones, E. L., Ellis, M. G., Cascalheira, J., Bicho, N., Meiggs, D., Benedetti, M., Friedl, L., & Haws, J. (2022). Neanderthal palaeoecology in the late Middle Palaeolithic of western Iberia: A stable isotope analysis of ungulate teeth from Lapa do Picareiro (Portugal). *Journal of Quaternary Science*, 37(2), 300–319. <https://doi.org/10.1002/jqs.3363>
3. Hallinan, E., Barzilai, O., Beshkani, A., Cascalheira, J., Demidenko, Y. E., Goder-Goldberger, M., Hilbert, Y. H., Hovers, E., Marks, A. E., & Nymark, A. (2022). The nature of Nubian: Developing current global perspectives on Nubian Levallois technology and the Nubian complex. *Evolutionary Anthropology*, 31(5), 227–232. <https://doi.org/grnbn7>
4. Hallinan, E., Barzilai, O., Bicho, N., Cascalheira, J., Demidenko, Y., Goder-Goldberger, M., Hovers, E., Marks, A., Oron, M., & Rose, J. (2022). No direct evidence for the presence of Nubian Levallois technology and its association with Neanderthals at Shukbah Cave. *Scientific Reports*, 12(1), 1204. <https://doi.org/10.1038/s41598-022-05072-7>
5. Horta, P., Bicho, N., & Cascalheira, J. (2022). Lithic bipolar methods as an adaptive strategy through space and time. *Journal of Archaeological Science: Reports*, 41, 103263. <https://doi.org/10.1016/j.jasrep.2021.103263>
6. Rütther, P. L., Husic, I. M., Bangsgaard, P., Gregersen, K. M., Pantmann, P., Carvalho, M., Godinho, R. M., Friedl, L., Cascalheira, J., Taurozzi, A. J., Jørkov, M. L. S., Benedetti, M. M., Haws, J., Bicho, N., Welker, F., Cappellini, E., & Olsen, J. V. (2022). SPIN enables high throughput species identification of archaeological bone by proteomics. *Nature Communications*, 13(1), 2458. <https://doi.org/10.1038/s41467-022-30097-x>
7. Belmiro, J., Bicho, N., Haws, J., & Cascalheira, J. (2021). The Gravettian-Solutrean transition in westernmost Iberia: New data from the sites of Vale Boi and Lapa do Picareiro. *Quaternary International*, 587–588, 19–40. <https://doi.org/10.1016/j.quaint.2020.08.027>
8. Cascalheira, J., Alcaraz-Castaño, M., Alcolea-González, J., de Andrés-Herrero, M., Arrizabalaga, A., Aura Tortosa, J. E., Garcia-Ibaibarriaga, N., & Iriarte-Chiapusso, M.-J. (2021). Paleoenvironments and human adaptations during the Last Glacial Maximum in the Iberian Peninsula: A review. *Quaternary International*, 581–582, 28–51. <https://doi.org/10.1016/j.quaint.2020.08.005>
9. Haws, J. A., Benedetti, M. M., Bicho, N. F., Cascalheira, J., Ellis, M. G., Carvalho, M. M., Friedl, L., Pereira, T., & Talamo, S. (2021). The early Aurignacian at Lapa do Picareiro really is that old: A comment on “The late persistence of the Middle Palaeolithic and Neanderthals in Iberia: A review of the evidence for and against the ‘Ebro Frontier’ model.” *Quaternary Science Reviews*, 274, 107261. <https://doi.org/10.1016/j.quascirev.2021.107261>
10. Haws, J., Benedetti, M., Carvalho, M., Ellis, G., Pereira, T., Cascalheira, J., Bicho, N., & Friedl, L. (2021). Human adaptive responses to climate and environmental change during the Gravettian of Lapa do Picareiro (Portugal). *Quaternary International*, 587–588, 4–18. <https://doi.org/10.1016/j.quaint.2020.08.009>
11. Taylor, R., García-Rivero, D., Gonçalves, C., Cascalheira, J., & Bicho, N. (2021). The Early Neolithic at the Muge Shellmiddens (Portugal): Analysis and Review of the Ceramic Evidence from Cabeço da Amoreira. *European Journal of Archaeology*, 24(2), 156–179. <https://doi.org/10.1017/ear.2020.40>
12. Haws, J. A., Benedetti, M. M., Talamo, S., Bicho, N., Cascalheira, J., Ellis, M. G., Carvalho, M. M., Friedl, L., Pereira, T., & Zinsious, B. K. (2020). The early Aurignacian dispersal of modern humans into westernmost Eurasia. *Proceedings of the National Academy of Sciences*, 117, 25414–25422. <https://doi.org/10.1073/pnas.2016062117>
13. McLaughlin, T. R., Gómez-Puche, M., Cascalheira, J., Bicho, N., & Fernández-López de Pablo, J. (2020). Late Glacial and Early Holocene human demographic responses to climatic and environmental change in Atlantic Iberia. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 376(1816), 20190724. <https://doi.org/10.1098/rstb.2019.0724>
14. Cascalheira, J. (2019). Territoriality and the organization of technology during the Last Glacial Maximum in southwestern Europe. *PLOS ONE*, 14(12), e0225828. <https://doi.org/10.1371/journal.pone.0225828>
15. Horta, P., Cascalheira, J., & Bicho, N. (2019). The Role of Lithic Bipolar Technology in Western Iberia’s Upper Paleolithic: The Case of Vale Boi (Southern Portugal). *Journal of Paleolithic Archaeology*, 2(2), 134–159. <https://doi.org/10.1007/s41982-019-0022-5>
16. Bicho, N., & Cascalheira, J. (2018). Global perspectives on the impact of drastic environmental changes in hunter–gatherer technologies. *Journal of Quaternary Science*, 33(3), 255–260. <https://doi.org/10.1002/jqs.3003>

17. Bicho, N., Cascalheira, J., Haws, J., & Gonçalves, C. (2018). Middle Stone Age Technologies in Mozambique: A Preliminary Study of the Niassa and Massingir Regions. *Journal of African Archaeology*, 16(1), 60–82. <https://doi.org/10.1163/21915784-20180006>
18. Bicho, N., Cascalheira, J., André, L., Haws, J., Gomes, A., Gonçalves, C., Raja, M., & Benedetti, M. (2018). Portable art and personal ornaments from Txina-Txina: A new Later Stone Age site in the Limpopo River Valley, southern Mozambique. *Antiquity*, 92(363), E2. <https://doi.org/10.15184/aqy.2018.95>
19. Cascalheira, J., & Bicho, N. (2018). Testing the impact of environmental change on hunter-gatherer settlement organization during the Upper Paleolithic in western Iberia. *Journal of Quaternary Science*, 33(3), 323–334. <https://doi.org/10.1002/jqs.3009>
20. Gonçalves, C., Cascalheira, J., Costa, C., Bárbara, S., Matias, R., & Bicho, N. (2018). Detecting single events in large shell mounds: A GIS approach to Cabeço da Amoreira, Muge, Central Portugal. *Journal of Archaeological Science: Reports*, 18, 1000–1010. <https://doi.org/10.1016/j.jasrep.2017.11.037>
21. Paixão, E., Marreiros, J., Pereira, T., Gibaja, J., Cascalheira, J., & Bicho, N. (2018). Technology, use-wear and raw material sourcing analysis of a c. 7500 cal BP lithic assemblage from Cabeço da Amoreira shellmidden (Muge, Portugal). *Archaeological and Anthropological Sciences*, 1–21. <https://doi.org/10.1007/s12520-018-0621-y>
22. Bicho, N., Cascalheira, J., & Gonçalves, C. (2017). Early Upper Paleolithic colonization across Europe: Time and mode of the Gravettian diffusion. *PLoS One*, 12, e0178506. <https://doi.org/10.1371/journal.pone.0178506>
23. Bicho, N., Cascalheira, J., Marreiros, J., & Pereira, T. (2017). Rapid climatic events and long term cultural change: The case of the Portuguese Upper Paleolithic. *Quaternary International*, 428, 3–16. <https://doi.org/10.1016/j.quaint.2015.05.044>
24. Bicho, N., Cascalheira, J., Gonçalves, C., Umbelino, C., Rivero, D. G., & André, L. (2017). Resilience, replacement and acculturation in the Mesolithic/Neolithic transition: The case of Muge, central Portugal. *Quaternary International*, 446, 31–42. <https://doi.org/10.1016/j.quaint.2016.09.049>
25. Cascalheira, J., Bicho, N., Manne, T., & Horta, P. (2017). Cross-scale adaptive behaviors during the Upper Paleolithic in Iberia: The example of Vale Boi (Southwestern Portugal). *Quaternary International*, 446, 17–30. <https://doi.org/10.1016/j.quaint.2017.01.002>
26. Cascalheira, J., Bicho, N., & Gonçalves, C. (2017). A Google-Based Freeware Solution for Archaeological Field Survey and Onsite Artifact Analysis. *Advances in Archaeological Practice*, 5, 328–339. <https://doi.org/10.1017/aap.2017.21>
27. Bicho, N., Haws, J., Raja, M., Madime, O., Gonçalves, C., Cascalheira, J., Benedetti, M., Pereira, T., & Aldeias, V. (2016). Middle and Late Stone Age of the Niassa region, northern Mozambique. Preliminary results. *Quaternary International*, 404, 87–99. <https://doi.org/10.1016/j.quaint.2015.09.059>
28. Gonçalves, C., Raja, M., Madime, O., Cascalheira, J., Haws, J., Matos, D., & Bicho, N. (2016). Mapping the Stone Age of Mozambique. *African Archaeological Review*, 33(1), 1–12. <https://doi.org/10.1007/s10437-016-9212-4>
29. Pereira, T., Bicho, N., Cascalheira, J., Infantini, L., Marreiros, J., Paixão, E., & Terradas, X. (2016). Territory and abiotic resources between 33 and 15.6 ka at Vale Boi (SW Portugal). *Quaternary International*, 412, Part A, 124–134. <https://doi.org/http://dx.doi.org/10.1016/j.quaint.2015.08.071>
30. Bicho, N., Marreiros, J., Cascalheira, J., Pereira, T., & Haws, J. (2015). Bayesian modeling and the chronology of the Portuguese Gravettian. *Quaternary International*, 359–360, 499–509. <https://doi.org/10.1016/j.quaint.2014.04.040>
31. Cascalheira, J., & Bicho, N. (2015). On the Chronological Structure of the Solutrean in Southern Iberia. *PLoS One*, 10, e0137308. <https://doi.org/10.1371/journal.pone.0137308>
32. Marreiros, J., Bicho, N., Gibaja, J., Pereira, T., & Cascalheira, J. (2015). Lithic technology from the Gravettian of Vale Boi: New insights into Early Upper Paleolithic human behavior in Southern Iberian Peninsula. *Quaternary International*, 359–360, 479–498. <https://doi.org/http://dx.doi.org/10.1016/j.quaint.2014.06.074>
33. Gonçalves, C., Cascalheira, J., & Bicho, N. (2014). Shellmiddens as landmarks: Visibility studies on the Mesolithic of the Muge valley (Central Portugal). *Journal of Anthropological Archaeology*, 36, 130–139. <https://doi.org/10.1016/j.jaa.2014.09.011>
34. Tátá, F., Cascalheira, J., Marreiros, J., Pereira, T., & Bicho, N. (2014). Shell bead production in the Upper Paleolithic of Vale Boi (SW Portugal): An experimental perspective. *Journal of Archaeological Science*, 42, 29–41. <https://doi.org/10.1016/j.jas.2013.10.029>
35. Bicho, N., Cascalheira, J., Marreiros, J., Gonçalves, C., Pereira, T., & Dias, R. (2013). Chronology of the Mesolithic occupation of the Muge valley, central Portugal: The case of Cabeço da Amoreira. *Quaternary International*, 308–309, 130–139. <https://doi.org/10.1016/j.quaint.2012.10.049>
36. Bicho, N., Manne, T., Marreiros, J., Cascalheira, J., Pereira, T., Tátá, F., Évora, M., Gonçalves, C., & Infantini, L. (2013). The ecodynamics of the first modern humans in Southwestern Iberia: The case of Vale Boi, Portugal. *Quaternary International*, 318, 102–116. <https://doi.org/10.1016/j.quaint.2013.06.029>

37. Cascalheira, J., & Bicho, N. (2013). Hunter-gatherer ecodynamics and the impact of the Heinrich event 2 in Central and Southern Portugal. *Quaternary International*, 318, 117–127. <https://doi.org/10.1016/j.quaint.2013.05.039>
38. Pereira, T., Cascalheira, J., Marreiros, J., Almeida, F., & Bicho, N. (2013). Variation in quartzite exploitation during the Upper Palaeolithic of Southwest Iberian Peninsula. *Trabajos de Prehistoria*, 69, 232–256. <https://doi.org/10.3989/tp.2012.12090>
39. Cascalheira, J., Bicho, N., Marreiros, J., Pereira, T., Évora, M., Cortés Sánchez, M., Gibaja, J. F., Manne, T., Regala, F., Gonçalves, C., & Monteiro, P. (2012). Vale Boi (Algarve, Portugal) and the Solutrean in Southwestern Iberia. *Espacio, Tiempo y Forma*, 5, 455–467. <https://doi.org/10.5944/etfi.5.5376>
40. Manne, T., Cascalheira, J., Évora, M., Marreiros, J., & Bicho, N. (2012). Intensive subsistence practices at Vale Boi, an Upper Paleolithic site in southwestern Portugal. *Quaternary International*, 264, 83–99. <https://doi.org/10.1016/j.quaint.2012.02.026>

## OTHER ARTICLES

1. Bicho, N., Gonçalves, C., Cascalheira, J., Umbelino, C., Godinho, R. M., & Costa, C. (2022). O Vale de Muge no contexto do Mesolítico Atlântico da Península Ibérica. In *Terra e Sal: Das antigas sociedades camponesas ao fim dos tempos modernos - estudos oferecidos a Carlos Tavares da Silva* (pp. 59–74). UNIARQ.
2. Cascalheira, J. (2021). Foragers in the middle Limpopo Valley: Trade, place-making, and social complexity, written by Tim Forssman. *Journal of African Archaeology*, 19(2), 248–249.
3. Cascalheira, J., Bicho, N., Gonçalves, C., Garcia-Rivero, D., & Horta, P. (2021). Of space and time: The non-midden components of the Cabeço da Amoreira Mesolithic shellmound (Muge, Central Portugal). In D. Boric, D. Antonovic, & B. Mihailović (Eds.), *Foraging Assemblages* (Serbian Archaeological Society, Vol. 1, pp. 162–168).
4. Belmiro, J., Cascalheira, J., & Gonçalves, C. (2020). Uma perspectiva diacrónica da ocupação do concheiro do Cabeço da Amoreira (Muge, Portugal) a partir da tecnologia lítica. In *Actas do III Congresso da Associação dos Arqueólogos Portugueses*. AAP.
5. Bicho, N., & Cascalheira, J. (2020). Dos Neandertais ao Homo sapiens. In *História Global de Portugal* (pp. 25–31). Temas e Debates.
6. Bicho, N., Cascalheira, J., & Haws, J. (2020). Reflexões sobre o estudo do Paleolítico Médio e Superior em Portugal. In *Estudos Arqueológicos de Oeiras* (Vol. 27, pp. 9–26). Câmara Municipal de Oeiras.
7. Bicho, N., & Cascalheira, J. (2020). The use of lithic assemblages for the definition of short-term occupations in hunter-gatherer pre-history. In A. Picin & J. Cascalheira (Eds.), *Short-term occupations in Paleolithic Archaeology* (pp. 19–38). Springer.
8. Cardoso, J. L., Cascalheira, J., & Martins, F. (2020). A estação Solutrense do Olival do Arneiro (Rio Maior). In *Estudos Arqueológicos de Oeiras* (Câmara Municipal de Oeiras, Vol. 27, pp. 27–98).
9. Picin, A., & Cascalheira, J. (2020). Introduction to Short-term Occupations in Paleolithic Archaeology. In A. Picin & J. Cascalheira (Eds.), *Short-term occupations in Paleolithic Archaeology* (pp. 1–18). Springer.
10. André, L., Cascalheira, J., Gonçalves, C., & Bicho, N. (2019). Shell beads production during the LGM: The case of Vale Boi (Southern Portugal). In *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors* (pp. 491–508). Cambridge Scholars Publishing.
11. Haws, J., Benedetti, M., Cascalheira, J., Bicho, N., Carvalho, M., Zinsious, B., Ellis, G., & Friedl, L. (2019). Human occupation during the Late Pleniglacial at Lapa do Picareiro (Portugal). In *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors* (pp. 188–213). Cambridge Scholars Publishing.
12. Schmidt, I., Bicho, N., Cascalheira, J., & Weniger, G.-C. (2019). Introduction. In *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors* (pp. x–xiv). Cambridge Scholars Publishing.
13. Simón Vallejo, M. D., Bicho, N., Cortés Sánchez, M., Parrilla Giráldez, R., & Cascalheira, J. (2019). New Solutrean portable art data from the site of Vale Boi (Algarve, Portugal). In *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors* (pp. 509–517). Cambridge Scholars Publishing.
14. Cascalheira, J., Schmidt, I., & Bicho, N. (2018). 3.º Congresso Internacional sobre o Solutrense. *Al-Madan*, 22, 4.
15. Gonçalves, C., André, L., Cascalheira, J., & Bicho, N. (2018). Der muschelhaufen von Cabeço da Amoreira in Muge, Portugal. *Ergebnisse der archäologischen arbeiten des letzten jahrzehnts. Madrider Mitteilungen*, 59, 1–21.
16. Tátá, F., Bicho, N., Carvalho, F., Cascalheira, J., Gonçalves, C., Luís, R., Luís, V., Mergulho, R., Oliveira, B., Pacheco, P., Parreira, R., Paulo, L. M., Pinto, M. J., Regala, J., Santos, A., & Veiga-Pires, C. (2018). On Charles Bonnet's path. Classic caves of the Algarve revisited – Part I. Poço dos Mouros, Igrejinha dos Soidos, Caverna do Guiné, Abismo and Ibn Ammar caves. *Trogle*, 7, 36–105.
17. Abrunhosa, A., Cascalheira, J., Pérez-González, A., Arsuaga, J. L., & Baquedano, E. (2017). The use of digital mobile technologies for geoarchaeological survey: The examples of the Pinilla del Valle raw materials project. In *Proceedings of the 12th International Conference of Archaeological Prospection* (pp. 3–4). Archaeopress.

18. Belmiro, J., Cascalheira, J., & Bicho, N. (2017). O início do Último Máximo Glacial no Sul de Portugal: Novos dados a partir do sítio arqueológico de Vale Boi. *Arqueologia Em Portugal 2017: Estado Da Questão*, 375–384.
19. Cascalheira, J. (2017). Emily Lena Jones . In Search of the Broad Spectrum Revolution in Paleolithic Southwest Europe (Springers Briefs in Archaeology. Cham, Heidelberg, New York, Dordrecht & London: Springer, 2016, 91pp., 17 figs, 15 tables, pbk, ISBN 978-3-319-22350-6, eBook, ISBN 978-3-319-22351-3, DOI 10.1007/978-3-319-22351-3). *European Journal of Archaeology*, 20(2), 371–375.
20. Horta, P., Cascalheira, J., & Bicho, N. (2017). Sobre a definição e interpretação das tecnologias líticas bipolares em contextos pré-históricos. *Proceedings of the 2nd Conference of Associação dos Arqueólogos Portugueses*, 385–392.
21. Varela, J., Bicho, N., Gonçalves, C., & Cascalheira, J. (2017). Análise preliminar dos padrões de localização das grutas com arqueologia do Centro e Sul de Portugal. *Proceedings of the 2nd Conference of Associação Dos Arqueólogos Portugueses*, 781–794.
22. Costa, C., Gonçalves, C., Cascalheira, J., Marreiros, J., Pereira, T., Carvalho, S., Valera, A. C., & Bicho, N. (2016). ICAREHB – Centro Interdisciplinar para a Arqueologia e Evolução do Comportamento Humano. Um novo polo de investigação em Arqueologia. *Al-Madan*, 20(2), 98–101.
23. Marreiros, J., Bicho, N., Gibaja, J., Cascalheira, J., & Pereira, T. (2016). Early Gravettian projectile technology in Southwestern Iberian Peninsula: The double backed and bipointed bladelets of Vale Boi (Portugal). In *Multidisciplinary approaches to the study of Stone Age weaponry* (pp. 147–158). Springer.
24. Umbelino, C., Gonçalves, C., Figueiredo, O., Pereira, T., Cascalheira, J., Marreiros, J., & Bicho, N. (2016). Human burials in the Mesolithic of Muge and the origins of social differentiation: The case of Cabeço da Amoreira Portugal. *Proceedings of the International Conference on Mesolithic Burials–Rites, Symbols and Social Organisation of Early Postglacial Communities*, 2, 683–692.
25. Bicho, N., Dias, R., Pereira, T., Cascalheira, J., Marreiros, J., Pereira, V., & Gonçalves, C. (2015). O Mesolítico e o Neolítico antigo: O caso dos concheiros de Muge. *Proceedings of the 5º Congresso Do Neolítico Peninsular*, 631–638.
26. Cascalheira, J., Paixão, E., Marreiros, J., Pereira, T., & Bicho, N. (2015). Preliminary techno-typological analysis of the lithic materials from the Trench area of Cabeço da Amoreira (Muge, Central Portugal). In *Muge 150th: The 150th Anniversary of the Discovery of Mesolithic Shellmiddens* (Vol. 1, pp. 119–133). Cambridge Scholars Publishing.
27. Pereira, T., Bicho, N., Cascalheira, J., Gonçalves, C., Marreiros, J., & Paixão, E. (2015). Raw material procurement in Cabeço da Amoreira. In N. Bicho, T. D. Price, & E. Cunha (Eds.), *Muge 150th: The 150th Anniversary of the Discovery of Mesolithic Shellmiddens: Volume 1* (Vol. 1, pp. 147–160). Cambridge Scholars Publishing.
28. Bicho, N., Gonçalves, C., & Cascalheira, J. (2014). Os concheiros de Muge e a evolução do Mesolítico português. *Revista Cultural Do Concelho de Salvaterra de Magos*, 1, 5–18.
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48. Cascalheira, J., Marreiros, J., & Bicho, N. (2008). As intervenções arqueológicas de 2006 e 2007 no sítio Paleolítico de Vale Boi. *Xelb. Actas Do 5º Encontro de Arqueologia Do Algarve*, 8, 26–36.

## Grants, Awards and Fellowships

Total awarded ~2000,000€

2022-	FINISTERRA - Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia. Funded by European Research Council Consolidator Grant	1.899,696€
2020-	Neanderthals and Early Modern Humans in the Escoural Cave (southern Portugal). Funded by Wenner-Gren Foundation	18,000€
2018-	The origins and evolution of human cognition and the impact of Southwestern European coastal ecology. Funded by Fundação para a Ciência e Tecnologia	240,000€
2018-	Discovering ancient societies in central Portugal: the Muge shellmiddens. Funded by Earthwatch Institute	51,378€
2018-	Investigating the earliest Anatomically Modern Human occupation in Western Algarve. Funded by Institute for Field Research	21,000€
2017-	Ballistic performance of Upper Paleolithic stone-tipped projectiles: an assessment using computational fluid analysis. Funded by Archaeological Institute of America	4,467€
2014-19	Portuguese National Science Foundation Post-Doctoral Fellowship	107,280€
2010-13	Portuguese National Science Foundation Ph.D. Fellowship	47,040€
2012	COST Action TD0902 – Submerged Prehistoric Archaeology and Landscapes of the Continental Shelf. Short Term Scientific Mission: The Mediterranean influence in the social networks of the Final Solutrean of Iberia: the cave of Parpalló	1,200€
2010	Paleoanthropology Society – Travel grant to the Paleoanthropology Annual Meeting, May, 2010, St. Louis, US	400€
2009	University of Algarve – Merit grant	1,350€
2008-09	Portuguese National Science Foundation – Investigation grant within the project PTDC/HAH/64185/2006 – UcaRVaT – “The last hunter-gatherers in the Tejo valey – the Muge shellmiddens”	8,940€

## Main Research Projects

AS PRINCIPAL INVESTIGATOR AND CO-INVESTIGATOR

- 2022- FINISTERRA - Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia. Funded by European Research Council Consolidator Grant
- 2020- Neanderthals and Early Modern Humans in the Escoural Cave (southern Portugal). Funded by the Wenner-Gren Foundation
- 2018- The origins and evolution of human cognition and the impact of Southwestern European coastal ecology. Co-PI with Nuno Bicho. Funded by Fundação para a Ciência e Tecnologia - ALG-01-0145-FEDER-27833
- 2018- Discovering ancient societies in central Portugal: the Muge shellmiddens. Co-PI with Célia Gonçalves, Lino André and Nuno Bicho. Funded by the Earthwatch Institute
- 2018- Investigating the Earliest anatomically modern human occupation in western Algarve. Co-PI with Nuno Bicho. Funded by the Institute for Field Research
- 2017- Ballistic performance of Upper Paleolithic stone-tipped projectiles: an assessment using computational fluid analysis. Funded by the Archaeological Institute of America

## AS COLLABORATOR

- 2023- Are Neanderthals adapted to heavy masticatory and paramasticatory function?. PI: Ricardo Godinho. Funded by the Fundação para a Ciência e Tecnologia - 022.07737.PTDC
- 2018- The Muge Shellmiddens Project: A new portal to the last hunter-gatherers the Tagus valley, Portugal. PI: Célia Gonçalves. Funded by the Fundação para a Ciência e Tecnologia - ALG-01-0145-FEDER-29680
- 2018- Climate change during the Quaternary in Inhambane, Southwestern Mozambique, and its role in human evolution. PI: Ana Gomes. Funded by the Fundação para a Ciência e Tecnologia - PTDC/HAR-ARQ/28148/2017
- 2017-18 Middle and Late Stone Archaeology in Machampane Valley, Limpopo River basin, southern Mozambique. PI: Nuno Bicho. Funded by the National Geographic Society
- 2016- Stone Age Vilankulos: Modern Human Origins Research south of the Rio Save, Mozambique. PI: Jonathan Haws. Funded by Fundação para a Ciência e Tecnologia
- 2015-16 Middle Stone Age Archaeology survey in the Limpopo and Elephant rivers valleys, southern Mozambique. PI: Nuno Bicho. Funded by the National Geographic Society/Waitt - W-373-15
- 2013-15 Middle Stone Age archaeology and the origins of modern humans in Southern Mozambique. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia - PTDC/EPH-ARQ/4998/2012
- 2013-2015 GIS predictive modeling for the discovery of new Mesolithic sites in Central Portugal. PI: Célia Gonçalves. Funded by the Calouste Gulbenkian Foundation
- 2012-14 The last Neanderthals and the emergence of Modern Humans in Southwestern Iberia. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia
- 2011-12 On the edge: The first Modern Humans in Southwestern Iberia and the extinction of Neanderthals. PI: Nuno Bicho. Funding: Wenner-Gren Foundation
- 2012-14 The last hunter-gatherers of Muge (Portugal): the origins of social complexity. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia - PTDC/HIS-ARQ/112156/2009

## Conference participation

### ORAL COMMUNICATIONS

- Belmiro, J., Galfi, J., Terradas, X., & Cascalheira, J. (2023). *Chert provisioning and use during the Upper Paleolithic in Southwestern Iberia: The case of Vale Boi*. EAA 2023, Belfast, NI.
- Bicho, N., Cascalheira, J., Haws, J., & Honegger, M. (2023). *MSA Technology in Kerma, Sudan: The Development of Fieldwork Methods for Data Acquisition in Basalt Outcrop Settings*. SAA 2023, Portlan, USA.
- Cascalheira, J., Belmiro, J., Abrunhosa, A., & Gonçalves, C. (2023). *An Android-based freeware solution for field survey and onsite artifact analysis*. CAA 2023, Amsterdam (NL).
- Cascalheira, J., Belmiro, J., André, L., Matias, R., & Gonçalves, C. (2023). *Fire-Cracked Rock in the Mesolithic Shell Midden of Cabeço da Amoreira (Muge, Central Portugal)*. SAA 2023, Portlan, USA.
- Cascalheira, J., & Barbieri, A. (2023). *The Middle Paleolithic of the Escoural cave (southern Portugal)*. Neandertales del fin del Mundo. Nuevas perspectivas para Iberia., Seville (ES).
- Haws, J., Carvalho, M., Benedetti, M., & Cascalheira, J. (2023). *The Middle-Upper Paleolithic transition in Lapa do Picareiro (central Portugal)*. Neandertales del fin del Mundo. Nuevas perspectivas para Iberia., Seville (ES).
- Nogueira, D., Godinho, R. M., Gaspar, R., Bicho, N., Cascalheira, J., Gonçalves, C., & Umbelino, C. (2023). *The children of the last hunter-gatherers communities, new skeletons from Cabeço da Amoreira (Portugal)*. EAA 2023, Belfast, NI.

8. Barbieri, A., Cascalheira, J., Aldeias, V., & Bicho, N. (2022). *Upper Paleolithic foragers on a slope: Geoarchaeological data from Vale Boi*. SAA 2022, Chicago, USA.
9. Belmiro, J., Bicho, N., & Cascalheira, J. (2022). *Lithic technology and raw material use during the Gravettian-Solutrean transition in Southern Portugal*. Facing the Last Glacial Maximum: Fresh insights into the Gravettian-Solutrean transition in Southwestern Europe, Lisbon, PT.
10. Belmiro, J., Cascalheira, J., Terradas, X., & Bicho, N. (2022). *Raw Material Provisioning and Use throughout the Upper Paleolithic at Vale Boi (Southwestern Iberia)*. SAA 2022, Chicago, USA.
11. Bicho, N., & Cascalheira, J. (2022). *The Upper Paleolithic site of Vale Boi, Southern Portugal*. SAA 2022, Chicago, USA.
12. Carvalho, M., Cascalheira, J., & Bicho, N. (2022). *Human Paleoecology during the Gravettian and Proto-Solutrean in Southwestern Iberia: A Stable Isotope Analysis of Herbivore Teeth from Vale Boi (Portugal)*. SAA 2022, Chicago, USA.
13. Cascalheira, J., Barbieri, A., Belmiro, J., Carvalho, M., Galfi, J., Gonçalves, C., & Bicho, N. (2022). *The Gravettian-Solutrean transition at Vale Boi (southern Portugal): New stratigraphic, chronological, and paleoenvironmental data*. Facing the Last Glacial Maximum: Fresh insights into the Gravettian-Solutrean transition in Southwestern Europe, Lisbon, PT.
14. Cascalheira, J., Belmiro, J., & Bicho, N. (2022). *The Last Glacial Maximum at Vale Boi*. SAA 2022, Chicago, USA.
15. Cascalheira, J., André, L., Tátá, F., & Bicho, N. (2022). *Vale Boi. Los recursos marinos y de adornos de las ocupaciones paleolíticas del Algarve (Portugal)*. INNOVAZUL 2022, Cádiz.
16. Gonçalves, C., Maio, D., Cascalheira, J., & Bicho, N. (2022). *Intrasite Spatial Analysis at the Upper Paleolithic Site of Vale Boi, Southern Portugal*. SAA 2022, Chicago, USA.
17. Horta, P., Cascalheira, J., & Bicho, N. (2022). *The Recurrent Use of Lithic Bipolar Technology as a Resource Extraction Strategy during Upper Paleolithic of Vale Boi*. SAA 2022, Chicago, USA.
18. Nogueira, D., Gaspar, R., Gonçalves, C., Cascalheira, J., Bicho, N., & Umbelino, C. (2022). *Multiple lésions osseuses crâniennes sur un individu de Cabeço da Amoreira Mésolithique final, Portugal) : Apport de la paléoradiologie au diagnostic différentiel*. Colloque du Groupe des Paléopathologistes de Langue Française, Paris, FR.
19. Simón Vallejo, M. D., Cortés Sánchez, M., Parrila-Giraldez, R., Cascalheira, J., & Bicho, N. (2022). *Portable Art of the Vale Boi Site (Algarve, Portugal), in the Context of the Paleolithic Art of the South of the Iberian Peninsula*. SAA 2022, Chicago, USA.
20. Bicho, N., Haws, J., Cascalheira, J., Gonçalves, C., & Raja, M. (2021). *Stone Age Archaeology in the Elephant River Valley, Southwestern Mozambique*. SAA 2021, Online.
21. Fonseca, S., Linstädter, J., Muianga, D., & Cascalheira, J. (2021). *Online Education on African Archaeology and Heritage: The ONLAAH Platform*. SAA 2021, Online.
22. Haws, J., Bicho, N., Cascalheira, J., Raja, M., & Carvalho, M. (2021). *Stone Age Archaeology in the Lower Save River Valley, Southern Mozambique*. SAA 2021, Online.
23. Raja, M., Cascalheira, J., Gomes, A., & Bicho, N. (2021). *Reconstrução paleoambiental da jazida arqueológica de Txina-Txina, Massingir, do Pleistocénico superior ao Holocénico*. XI CONFERÊNCIA CIENTÍFICA 2021: Investigação, Extensão e Inovação para o Desenvolvimento Sustentável, Maputo (MZ).
24. Belmiro, J., Cascalheira, J., & Gonçalves, C. (2020). *Stone tool technology at the Cabeço da Amoreira shellmidden (Muge, Portugal): A diachronic perspective*. MESO 2020, Toulouse, FR.
25. Bicho, N., Cascalheira, J., Belmiro, J., & Haws, J. (2019). *The Gravettian-Solutrean transition in Southwestern Iberia*. The World of the Gravettian Hunters, Krakow, PL.
26. Bicho, N., Cascalheira, J., & Haws, J. (2019). *Neandertais e Homens Anatomicamente Modernos no centro e sul de Portugal*. 2º Colóquio Internacional - História das ideias e dos conceitos em Arqueologia, Oeiras.
27. Cascalheira, J., Gonçalves, C., & Bicho, N. (2019). *Assessing the spatial patterning of Middle Paleolithic human settlement in Westernmost Iberia*. SAA 2019, Albuquerque, US.
28. Gomes, A., Moura, D., Bicho, N., Connor, S., Raja, M., Haws, J., Achimo, M., Zinsious, B., Skosey-Lalonde, E., Gonçalves, C., Oliveira, S., Matias, R., Fernandes, P., Costas, S., & Cascalheira, J. (2019). *Southern Hemisphere climate changes studies: A contribution for climate risk management and resilience*. 4th European Climate Change Adaptation Conference, Lisbon, PT.
29. Haws, J., Benedetti, M., Cascalheira, J., Bicho, N., Carvalho, M., Ellis, G., Zinsious, B., & Friedl, L. (2019). *Human adaptive responses to abrupt climate change in western Iberia during MIS 3 and 2*. INQUA 2019, Dublin, IR.
30. Haws, J., Benedetti, M., Pereira, T., Bicho, N., Cascalheira, J., & Friedl, L. (2019). *Human adaptive responses to climate and environmental change during the Gravettian of Lapa do Picareiro (Portugal)*. World of Gravettian Hunters 2019, Krakow, PL.
31. Haws, J., Benedetti, M., Friedl, L., Bicho, N., Carvalho, M., Cascalheira, J., Ellis, G., Zinsious, B., Benedetti, I., & Talamo, S. (2019). *Modern human dispersal into western Iberia: The Early Aurignacian of Lapa do Picareiro, Portugal*. ESHE 2019, Liège, BE.



32. Horta, P., Cascalheira, J., & Bicho, N. (2019). *Neanderthal ecological niche in Iberia's Southwestern edge: New data from the Gruta da Companheira site*. SAA 2019, Albuquerque, US.
33. Gomes, A., Raja, M., Bicho, N., Haws, J., Moura, D., Achimo, M., Zinsious, B., Skosey-Lalonde, E., Gonçalves, C., Matias, R., Cascalheira, J., Connor, S., & Oliveira, S. (2018). *Paleoenvironmental changes in Mozambique*. African Science and Art Conference, Faro, PT.
34. Haws, J., Benedetti, M., Carvalho, M., Benedetti, I., Zinsious, B., Bicho, N., Cascalheira, J., & Friedl, L. (2018). *Seeing short-term human occupations in the palimpsests of deeply stratified caves: An example from Lapa do Picareiro (Portugal)*. UISPP 2018, Paris, FR.
35. Haws, J., Benedetti, M., Carvalho, M., Bicho, N., Cascalheira, J., & Friedl, L. (2018). *Understanding human adaptive responses to abrupt climate change in western Iberia during MIS 3 and 2 using multi-scale archaeological, paleoenvironmental, and paleoclimate records*. UISPP 2018, Paris, FR.
36. Abrunhosa, A., Cascalheira, J., Pérez-González, A., Arsuaga, J. L., & Baquedano, E. (2017). *The use of digital mobile technologies for geoarchaeological survey: The examples of the Pinilla del Valle raw materials project*. 12th International Conference of Archaeological Prospection, Bradford, UK.
37. Bicho, N., & Cascalheira, J. (2017). *A critical review of the meaning of Short-Term occupation in early Prehistory*. SAA 2017, Vancouver, CA.
38. Cascalheira, J., & Bicho, N. (2017). *Territoriality and the organization of technology during the LGM in Southern Iberia*. 3rd International Conference on the Solutrean, Faro, PT.
39. Gomes, A., Skosey-Lalonde, E., Zinsious, B., Gonçalves, C., Bicho, N., Raja, M., Cascalheira, J., & Haws, J. (2017). *Environmental changes on the Mozambican coast, during the Holocene*. IX Iberian Quaternary Meeting/African Science and Art Conference, Faro, PT.
40. Gomes, A., Skosey-Lalonde, E., Zinsious, B., Gonçalves, C., Bicho, N., Raja, M., Cascalheira, J., & Haws, J. (2017). *Palaeoenvironmental reconstructions on the Mozambique coast as a tool to understand human evolution: From modern analogues to borehole interpretation*. European Geosciences Union General Assembly, Vienna, AU.
41. Horta, P., Cascalheira, J., & Bicho, N. (2017). *Sobre a Definição e Interpretação das Tecnologias Líticas Bipolares em Contextos Pré-Históricos*. II Congresso dos Arqueólogos Portugueses, Lisbon, PT.
42. Bicho, N., Cascalheira, J., Haws, J., Gonçalves, C., & Raja, M. (2016). *Middle Stone Age technologies in Mozambique: Preliminary results*. ESHE 2016, Madrid, ES.
43. Cascalheira, J., & Bicho, N. (2016). *Changing weapons in a mutable landscape: Exploring the relationship between Upper Paleolithic Weaponry Variability and Drastic Environmental Changes in Western Europe*. SAA 2017, Orlando, US.
44. Gomes, A., Haws, J., Bicho, N., Gonçalves, C., Cascalheira, J., Zinsious, B., Skosey-Lalonde, E., Benedetti, I., Benedetti, M., Carvalho, M., & Raja, M. (2016). *The Stone Age in Vilankulos: Investigation of the origin of Modern Human south of Save River, Mozambique*. III Show of Science and Technology Projects, Tavira, PT.
45. Haws, J., Bicho, N., Gonçalves, C., Cascalheira, J., Pereira, T., Marreiros, J., Zinsious, B., Raja, M., Madime, O., & Benedetti, M. (2016). *New data on Stone Age Archaeology South of the rio Save, Mozambique*. 23 Biennial meeting of the Society of Africanist Archaeologists. What past for Africa?, Toulouse, FR.
46. Taylor, R., García-Rivero, D., Cascalheira, J., & Bicho, N. (2016). *Technological diversity of the Early Neolithic pottery of Muge (Portugal): The case study of Cabeço da Amoreira (excavations from 2008 to 2014)*. Raw materials exploitation in Prehistory: Sourcing, processing and distribution, Faro, PT.
47. Aldeias, V., Cascalheira, J., Marreiros, J., Pereira, T., & Bicho, N. (2015). *How to make a Mesolithic Shell mound? Microstratigraphic investigation of Cabeço da Amoreira (Muge, Portugal)*. MESO 2015, Belgrade, RS.
48. Bicho, N., Madiquida, H., Haws, J., Benedetti, M., Riel-Salvatore, J., Madime, O., Raja, M., Cascalheira, J., Gonçalves, C., & Pereira, T. (2015). *A Idade da Pedra Média e as origens do Homem Anatomicamente Moderno em Moçambique*. Seminário Internacional de Arqueologia Africana: Arqueologia e Paisagem, Mação, PT.
49. Cascalheira, J., Bicho, N., Marreiros, J., & Pereira, T. (2015). *Climate-driven cultural change during the Upper Paleolithic: A reassessment based on the Portuguese data*. ESHE 2015, London, UK.
50. Cascalheira, J., Bicho, N., Gonçalves, C., Marreiros, J., & Paixão, E. (2015). *Internal layout and functional organization of Mesolithic shellmiddens: New insights from Cabeço da Amoreira (Muge, Portugal)*. MESO 2015, Belgrade, RS.
51. Cascalheira, J., & Bicho, N. (2015). *Lithic technological organization and social networks during the LGM in Southwestern Iberia*. SAA 2015, San Francisco, US.
52. Cascalheira, J., Gonçalves, C., Umbelino, C., & Bicho, N. (2015). *Rites, symbols and spatial organization of two human burials at the Cabeço da Amoreira shellmidden (Muge, Portugal)*. MESO 2015, Belgrade, RS.
53. Cascalheira, J., Gonçalves, C., Aldeias, V., Benedetti, M., Haws, J., Madime, O., Matos, D., Raja, M., Pereira, T., Zinsious, B., & Bicho, N. (2015). *Stone Age occupations in Northern Mozambique: New evidence from a survey project in the Lunho river valley (Niassa)*. Paleoanthropological Society Annual Meeting, San Francisco, US.

54. Cunha, C., Umbelino, C., Gonçalves, C., Figueiredo, O., Cascalheira, J., Marreiros, J., Pereira, T., Paixão, E., Monteiro, P., Évora, M., Dias, R., & Bicho, N. (2015). *Cultural change or dental pathology? Dental analysis of two human burials from Cabeço da Amoreira shell mound (Muge, Portugal)*. MESO 2015, Belgrade, RS.
55. Monteiro, P., Cascalheira, J., Marreiros, J., Pereira, T., Umbelino, C., Dias, R., Gonçalves, C., Figueiredo, O., Évora, M., Paixão, E., Bicho, N., & Zapata, L. (2015). *A thousand years in flames: A diachronical perspective on fuelwood use in Cabeço da Amoreira (Muge shellmiddens, Portugal)*. MESO 2015, Belgrade, RS.
56. Pereira, T., Bicho, N., Cascalheira, J., Infantini, L., Marreiros, J., & Paixão, E. (2015). *Territory and abiotic economy between 33 and 15,6 ka at Vale Boi (SW Portugal)*. UISPP 2015, Burgos, ES.
57. Bicho, N., Cascalheira, J., Marreiros, J., & Pereira, T. (2014). *Rapid cooling events, human resilience and technological change: The case of the portuguese Upper Paleolithic*. SAA 2014, Austin, US.
58. Cascalheira, J., Paixão, E., & Bicho, N. (2014). *On the border: The lithic assemblages from the Trench area of Cabeço da Amoreira shellmidden (Central Portugal)*. SAA 2014, Austin, US.
59. Gonçalves, C., Cascalheira, J., Dias, R., Monteiro, P., Paixão, E., & Bicho, N. (2014). *Piece by piece: GIS spatial analysis at Cabeço da Amoreira, a mesolithic shellmidden in Central Portugal*. SAA 2014, Austin, US.
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66. Marreiros, J., Cascalheira, J., & Bicho, N. (2011). *Flake production in the Early Upper Paleolithic assemblages of Vale Boi (Southern Portugal)*. Flakes not blades - Discussing the role of flake production at the onset of the Upper Palaeolithic, Mettman, DE.
67. Pereira, T., Bicho, N., Cascalheira, J., Marreiros, J., Gibaja, J., & Haws, J. (2011). *The impact of raw material availability in the SW Iberian Paleolithic*. ESHE 2011, Leipzig, DE.
68. Pereira, T., Bicho, N., Cascalheira, J., Marreiros, J., Gibaja, J., & Haws, J. (2011). *Differences in the management of raw material in the Upper and Middle Paleolithic in SW Iberia*. UKAS 2011, Reading, UK.
69. Bicho, N., Manne, T., Marreiros, J., Cascalheira, J., Tátá, F., Gibaja, J., Évora, M., & Gonçalves, C. (2010). *On the edge: The Upper Paleolithic from Vale Boi, Algarve, Portugal and the arrival of the first modern humans to Southwestern Iberia*. Paleoanthropological Society Annual Meeting, Saint Louis, US.
70. Cascalheira, J., Marreiros, J., & Évora, M. (2010). *From Gravettian to Solutrean in Southwestern Iberia: A technological perspective*. Paleoanthropological Society Annual Meeting, Saint Louis, US.
71. Jesus, L., Marreiros, J., Cascalheira, J., Gibaja, J., Pereira, T., & Bicho, N. (2010). *Occupation, functionality and culture. Preliminary results from microliths technology and use-wear analysis of Cabeço da Amoreira (Muge, Portugal)*. MESO 2010, Santander, ES.

## Fieldwork

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### AS COORDINATOR

- 2021 Excavations at the Mesolithic site of Cabeço dos Ossos, Portugal
- 2020- Excavations at the Paleolithic site of Gruta do Escoural, Portugal
- 2017- Excavations at the Paleolithic site of Gruta da Companheira, Portugal
- 2009-2019 Excavations at the Paleolithic site of Vale Boi, Portugal
- 2009- Excavations at the Mesolithic site of Cabeço da Amoreira, Portugal
- 2013 Excavations at the Mesolithic site of Cabeço da Arruda, Portugal
- 2009 Excavations at the Paleolithic sites of Gruta Nova da Columbeira and Lapa do Suão, Portugal

### AS INVITED SPECIALIST

- 2023- DISPERSALS - Resilience, and innovation in Late Pleistocene SE Africa. Lithics specialist. PI: Nuno Bicho
- 2016-19 Survey and excavations in Mozambique under the project Stone Age Vilankulos: Modern Human Origins Research south of the Rio Save, Mozambique. Lithics specialist and field manager. PI: Jonathan Haws
- 2016-19 Excavations at Dehesilla Cave, Spain. Total station specialist. PI: Daniel Garcia Rivero
- 2013-15 Survey and excavations in Mozambique under the project Middle Stone Age archaeology and the origins of modern humans in southern Mozambique. Lithics specialist and field manager. PI: Nuno Bicho
- 2014-15 Excavations at Picareiro Cave. Total station specialist. PI: Jonathan Haws

### OTHER FIELDWORK

- 2008 Excavations at the Mesolithic site of Cabeço da Amoreira, Portugal. Assistant field manager. PI: Nuno Bicho.
- 2006 Testing at the site of Zavial Rockshelter, Portugal. Excavator. PI: Nuno Bicho.
- 2005-06 Excavations at the Paleolithic site of Vale Boi, Portugal. Assistant field manager. PI: Nuno Bicho
- 2004 Excavations at the Mesolithic site of Barranco das Quebradas, Portugal. Excavator. PI: Maria J. Valente

## Teaching

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### Invited Professor

*University of Coimbra, Portugal*

#### COURSES TAUGHT:

2018-2019

- Field Archaeology (MA in Human Evolution)

### Invited Professor

*University of Algarve, Portugal*

#### COURSES TAUGHT:

2014-Present

- Introduction to Archaeology (Undergrad. in Archaeology)
- Archaeological Theory (MA in Archaeology)
- Lithic analysis (MA in Archaeology)
- Introduction to lithic analysis (Undergrad. in Archaeology)
- Introduction to Data Analysis in Archaeology (Undergrad. in Archaeology)
- Prehistoric adaptations to climate change (Ph.D. in Archaeology)
- Digging data: quantitative and reproducible analysis in Archaeology (Ph.D. in Archaeology)

## Scientific and University management

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### Director

*ICArEHB - University of Algarve,  
Portugal*

INTERDISCIPLINARY CENTER FOR ARCHAEOLOGY AND THE EVOLUTION OF HUMAN BEHAVIOUR

2023-

### Coordinator

*ICArEHB - University of Algarve,  
Portugal*

RESEARCH LINE ON DYNAMICS OF PALEOLITHIC PEOPLE IN EUROPE

2022

### Coordinator

*ICArEHB - University of Algarve,  
Portugal*

RESEARCH LINE ON AFRICAN ARCHAEOLOGY AND HUMAN EVOLUTION

2019-2021

## Extension and knowledge dissemination

### STUDENT AND POSTDOCTORAL SUPERVISION

- 2022- Nolan Ferar (Ph.D. dissertation, ICArEHB, University of Algarve, Portugal) - Funded by FCT
- 2022- Mpumi Maringa (Ph.D. dissertation, ICArEHB, University of Algarve, Portugal)
- 2020- Jovan Galfi (Ph.D. dissertation, ICArEHB, University of Algarve, Portugal)
- 2020- Joana Belmiro (Ph.D. dissertation, University of Algarve, Portugal) - Funded by FCT
- 2019- Daniela Maio (Ph.D. dissertation, University of Algarve, Portugal)
- 2020-2022 Emily Hallinan (Marie Curie Fellow, ICArEHB, University of Algarve)
- 2017-2022 Pedro Horta (Ph.D. dissertation, University of Algarve, Portugal) - Funded by FCT
- 2017-2019 Joana Belmiro (M.A. dissertation, University of Algarve, Portugal)
- 2017 Joana Belmiro (Undergrad. dissertation, University of Algarve, Portugal)
- 2014-15 Pedro Horta (M.A. dissertation, University of Algarve, Portugal)

### INVITED SEMINARS

- 2023 "40 mil anos depois: o que sabemos sobre o desaparecimento dos Neandertais". Academia das Ciências de Lisboa, Lisbon
- 2022 "O que sabemos sobre o desaparecimento dos Neandertais?". FI.CA, Lisbon
- 2021 "Human adaptations to the Last Glacial Maximum in the Iberian Peninsula". Hebrew University MA seminar series "The social dimensions of human adaptation to extreme environments", Online
- 2019 "Proto-Solutrean and Solutrean adaptations in westernmost Iberia: the Vale Boi and Lapa do Picareiro case-studies". Erlangen, DE (with Nuno Bicho, Joana Belmiro and Jonathan Haws)
- 2019 "A última década de trabalhos arqueológicos no concheiro do Cabeço da Amoreira, Muge". Muge, Salvaterra de Magos, PT (with Célia Gonçalves, Nuno Bicho and Lino André)
- 2017 "Evolução humana e a tecnologia dos instrumentos em pedra". Universidade de Coimbra, Coimbra, Portugal, Universidade de Coimbra, Coimbra, PT.
- 2017 "Neanderthal to Modern Humans: the transition in Portugal". Algarve Archaeological Association, São Brás de Alportel, PT
- 2016 "Prehistoric Hunter-Gatherer Adaptations in Southwestern Iberia and Mozambique". Max Planck Institute for the Science of Human History, Jena, DE
- 2016 "The end of the Middle Paleolithic and the arrival of anatomically modern humans to Southwestern Iberia". Max Planck Institute, Leipzig, DE (with Nuno Bicho)
- 2016 "Recent developments in the analysis of lithic technology". University of Seville, ES
- 2015 "Laboratorial techniques for the analysis of lithic industries". University Eduardo Mondlane, Maputo, MZ
- 2014 "Abrupt climate change and human adaptations". University Eduardo Mondlane, Maputo, MZ
- 2014 "Stone Age archaeology in the Niassa region, Mozambique. Preliminary results from the 2014 campaign". Geographical Society of Lisbon, Lisbon, PT (with N. Bicho, J. Haws, O. Madime, C. Gonçalves, V. Aldeias, and M. Benedetti)
- 2014 "Human responses to environmental change: the case of the Portuguese Upper Paleolithic". National Museum of Archaeology, Lisbon, PT
- 2014 "The mediterranean influence on the social networks of the Solutrean in Iberia". National Museum of Archaeology, Lisbon, PT

### CONFERENCES/SYMPOSIA ORGANIZED



- 2018 “European Society for Human Evolution Annual Meeting”. University of Algarve, Faro, PT
- 2017 “International Congress The Solutrean”. With Isabell Schmidt, Nuno Bicho and Gerd-Christian Weniger. University of Algarve, Faro, PT
- 2016 “Symposium Global perspectives on the impact of abrupt climate change in hunter-gatherer-technologies”. With Nuno Bicho. SAA 2016, Orlando, USA
- 2015-2017 Conference cycle “Arqueologia às 6”. Organized by ICArEHB. Faro, PT
- 2012 “Symposium Solutrean points: past and present”. With Juan Gibaja Bao. At the International Conference El Solutrense. Almería, ES
- 2011 “IV International Conference of Young Researchers in Archaeology (JIA 2011)”. University of Algarve, Faro, PT
- 2010 “Session Demographic processes and cultural change: archaeological perspectives”. III International Conference of Young Researchers in Archaeology (JIA 2010). Barcelona, ES

## WORKSHOPS AND EXHIBITIONS ORGANIZED

- 2016 Workshop “Data Analysis and R Statistics”. University of Algarve, Faro, PT
- 2016 Exhibition “The Prehistoric Origins of the Algarve”. Organized by ICArEHB and Centro de Ciência Viva do Algarve. Faro, Tavira, Lagos and Vila do Bispo. PT
- 2014 Exhibition “At the End of the World 30 thousand years ago: the prehistoric hunter-gatherers of Vale Boi”. Organized by ICArEHB. Vila do Bispo, PT
- 2011 Workshop “Total Station in Archaeology”. University of Algarve, PT. Promoted by NAP
- 2011 Exhibition “On the margins of the past: the Muge shell middens”. Salvaterra de Magos, PT. Organized by NAP
- 2010-14 Conferences “Arqueologia ao Sul”. University of Algarve, Faro, PT. Organized by NAP
- 2010 Workshop “Analysis of Lithic Industries” (University of Algarve, Faro, PT. Promoted by NAP
- 2010 Workshop “NESPOS On Tour”. University of Algarve, Faro PT. Promoted by NAP

## TUTORING

- 2022 Instructor of Statistics in Archaeology using R in one the Training in Frontier Archaeology ICArEHB actions
- 2019- Creation of the archaeological survey and excavation Massive Open Online Courses (MOOC) modules of the \*Online Learning on African Archeology and Heritage (ONLAAH)\* project

## Additional Training

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- Workshop *Science and public policy: how to build bridges?*. University of Algarve, Faro, PT.
- Workshop *Data Analysis and R Statistics*. University of Algarve, Faro, PT.
- Workshop *EVAN Toolbox*. Max Planck Institute for Evolutionary Anthropology, Leipzig, DE.
- Workshop *NESPOS on Tour*. University of Algarve, Faro, PT.
- Workshop *Understanding tool use, multidisciplinary perspectives on the cognition and ecology of tool using behaviors*. Max Planck Institute for Evolutionary Anthropology, Leipzig, DE.
- Workshop *Tools in organic materials: methods of analysis*. CSIC, Barcelona, ES.
- Workshop *Advanced SPSS applications*. University of Algarve, Faro, PT.
- Workshop *Functional studies in non-siliceous rocks*. Lisbon, PT.

## Reviewer for academic journals and funding agencies

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- Fund for Scientific Research – FNRS Belgium (1)
- Nature Scientific Reports (1)
- PLoS ONE (4)
- Journal of Human Evolution (2)
- Advances in Archaeological Practice (2)
- Journal of Archaeological Science (1)
- Journal of Archaeological Science: Reports (2)
- Quaternary International (1)
- Journal of Paleolithic Archaeology (3)
- African Archaeological Review (1)
- Antiquity (1)

- National Science Centre Poland (1)
- Paleoanthropology Journal (1)
- Journal of Open Archaeology Data (1)

## Professional memberships

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- European Society for the Study of Human Evolution
- Society for American Archaeology
- Paleoanthropology Society
- Archaeological Institute of America
- Seminário Permanente dos Jovens Cientistas do Instituto de Altos Estudos da Academia das Ciências de Lisboa, Membro.

## Editorial boards

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- Cambridge Scholars Publishing – Archaeology Advisory Board

## Languages

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- Portuguese (native)
- English (proficient)
- Spanish (conversational)